

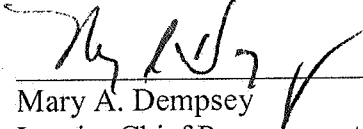


City of Chicago
Richard M. Daley, Mayor

Department of
Procurement Services

Mary A. Dempsey
Interim Chief Procurement Officer

City Hall, Room 403
121 North LaSalle Street
Chicago, Illinois 60602
(312) 744-4900
(312) 744-2949 (TTY)
<http://www.cityofchicago.org>

Date: June 30, 2005
To: Brian S. Murphy, Acting Commissioner
Department of Water Management
Attn: Julie Hernandez-Tomlin
Deputy Commissioner
From: 
Mary A. Dempsey
Interim Chief Procurement Officer
Re: Emergency Purchase Order Authorization

Pursuant to Section 2-92-644 of the Municipal Purchasing Act, I am authorizing you to make an Emergency purchase from Alpha Specialty Supply, Inc. Based upon information received from members of your staff; I have determined that this procurement is necessary to meet bona fide operating emergencies.

You are hereby authorized to purchase 'Hydrants and Hydrants Parts' in the amount of \$249,866.40 as requested in your letter of June 15, 2005. Any amount in excess of the \$249,866.40 approved here will be subject to additional authorization and will be limited so as not to exceed the \$250,000 limit established by statute.

cc: Lourdes Nur
Claude Humphrey
Lorel Blameuser





City of Chicago
Richard M. Daley, Mayor

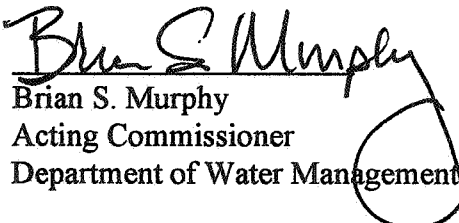
Department of Water

Richard A. Rice
Commissioner

Bureau of Water Engineering
Jardine Water Purification Plant
1000 East Ohio Street
Chicago, Illinois 60611
(312) 744-5070
(312) 744-5301 (FAX)
<http://www.cityofchicago.org/water>

ref

MEMORANDUM

Date: 6/15/05
To: Mary A. Dempsey
Interim Chief Procurement Officer
Department of Procurement Services
From: 
Brian S. Murphy
Acting Commissioner
Department of Water Management
Subject: Request for Emergency Authorization (Rx 21676)

The Department of Water Management requires meters, cold water reading type and remote with generators and readouts. These goods are necessary for meter installation and presently there is no current contract for these goods. Accordingly, the Department of Water Management is requesting emergency authorization for this purchase in the amount of \$249, 866.40.

Attached please find four quotations . We are recommending Alpha Specialty Supply, Inc. as they were the lowest bidder. This company is also certified by the City of Chicago as a Women's Business Enterprise.

I certify that this emergency poses a clear and imminent danger, requiring immediate procurement services, supplies or equipment to prevent or mitigate the loss or impairment of life, health, property, or essential public services and would not have been avoided by due care and diligence.

Thank you for your assistance. If you have any questions, please call Molly Longanecker at 747- 1684.

BM: JHT: df



**CITY OF CHICAGO
 PURCHASE REQUISITION**

Copy (Department)

| | |
|--|---|
| DELIVER TO: D26 1424 W. PERSHING CHICAGO, ILLINOIS 60609, IL | REQUISITION: 21676 PAGE: 1 DEPARTMENT: 88 - DEPARTMENT OF WATER MANAGEMEME PREPARER: Denise M Fitzgerald NEEDED: APPROVED: 6/21/2005 |
|--|---|

REQUISITION DESCRIPTION

REQUESTING EMERGENCY PURCHASE FOR COLD WATER METERS/ DIRECT READING TYPE AND REMOTE WITH GENERATORS AND READOUTS.
 SPECIFICATION NUMBER: 37401

COMMODITY INFORMATION

| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST |
|------|--|----------|------|-----------|------------|
| 1 | 8904546100 METERS, COLD WATER, DIRECT READING TYPE - 5/8 INCH | 750.00 | Each | 21.00 | 15,750.00 |

SUGGESTED VENDOR:

REQUESTED BY: Thomas R Niemotka

| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
|--------------------|-----|------|----------|------|--------|------|----------|---------|-------|------|------------|
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 15,750.00 |
| LINE TOTAL: | | | | | | | | | | | 15,750.00 |

| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST |
|------|--|----------|------|-----------|------------|
| 2 | 8904552100 METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 5/8 INCH | 700.00 | Each | 31.50 | 22,050.00 |

SUGGESTED VENDOR:

REQUESTED BY: Thomas R Niemotka

| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
|--------------------|-----|------|----------|------|--------|------|----------|---------|-------|------|------------|
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 22,050.00 |
| LINE TOTAL: | | | | | | | | | | | 22,050.00 |

| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST |
|------|--|----------|------|-----------|------------|
| 3 | 8904546130 METERS, COLD WATER, DIRECT READING TYPE - 1 INCH | 500.00 | Each | 51.45 | 25,725.00 |

SUGGESTED VENDOR:

REQUESTED BY: Thomas R Niemotka

| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
|--------------------|-----|------|----------|------|--------|------|----------|---------|-------|------|------------|
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 25,725.00 |
| LINE TOTAL: | | | | | | | | | | | 25,725.00 |

| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST |
|------|--|----------|------|-----------|------------|
| 4 | 8904552140 METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 1 INCH | 1,000.00 | Each | 67.19 | 67,190.00 |

SUGGESTED VENDOR:

REQUESTED BY: Thomas R Niemotka

| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
|--------------------|-----|------|----------|------|--------|------|----------|---------|-------|------|------------|
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 67,190.00 |
| LINE TOTAL: | | | | | | | | | | | 67,190.00 |

**CITY OF CHICAGO
 PURCHASE REQUISITION**

Copy (Department)

| | |
|--|--|
| DELIVER TO: D26 1424 W. PERSHING CHICAGO, ILLINOIS 60609, IL | REQUISITION: 21676 PAGE: 2 DEPARTMENT: 88 - DEPARTMENT OF WATER MANAGEMEN PREPARER: Denise M Fitzgerald NEEDED: APPROVED: 6/21/2005 |
|--|--|

REQUISITION DESCRIPTION

REQUESTING EMERGENCY PURCHASE FOR COLD WATER METERS/ DIRECT READING TYPE AND REMOTE WITH GENERATORS AND READOUTS.
 SPECIFICATION NUMBER: 37401

COMMODITY INFORMATION

| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST | | | | | | |
|---------------------------|--|--|----------|-----------|------------|------|----------|---------|-------|------|-------------------|
| 5 | 8904546170 METERS, COLD WATER, DIRECT READING TYPE - 1-1/2 INCH | 200.00 | Each | 146.99 | 29,398.00 | | | | | | |
| SUGGESTED VENDOR: | | REQUESTED BY: Thomas R Niemojka | | | | | | | | | |
| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 29,398.00 |
| LINE TOTAL: | | | | | | | | | | | 29,398.00 |
| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST | | | | | | |
| 6 | 8904552180 METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 1 1/2 INCH | 200.00 | Each | 159.85 | 31,970.00 | | | | | | |
| SUGGESTED VENDOR: | | REQUESTED BY: Thomas R Niemojka | | | | | | | | | |
| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 31,970.00 |
| LINE TOTAL: | | | | | | | | | | | 31,970.00 |
| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST | | | | | | |
| 7 | 8904546210 METERS, COLD WATER, DIRECT READING TYPE - 2 INCH | 130.00 | Each | 199.48 | 25,932.40 | | | | | | |
| SUGGESTED VENDOR: | | REQUESTED BY: Thomas R Niemojka | | | | | | | | | |
| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 25,932.40 |
| LINE TOTAL: | | | | | | | | | | | 25,932.40 |
| LINE | ITEM | QUANTITY | UOM | UNIT COST | TOTAL COST | | | | | | |
| 8 | 8904552220 METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 2 INCH | 150.00 | Each | 212.34 | 31,851.00 | | | | | | |
| SUGGESTED VENDOR: | | REQUESTED BY: Thomas R Niemojka | | | | | | | | | |
| DIST | BFY | FUND | COST CTR | APPR | ACCNT | ACTV | PROJECT | RPT CAT | GENRL | FUTR | Dist. Amt. |
| 1 | 004 | 0211 | 0882030 | 0550 | 220550 | W706 | 00000000 | 000000 | 00000 | 0000 | 31,851.00 |
| LINE TOTAL: | | | | | | | | | | | 31,851.00 |
| REQUISITION TOTAL: | | | | | | | | | | | 249,866.40 |

Where a commodity is for a particular or unique use other than standard quality, grades, color, size or other characteristics, give details of how it will be and for what purpose.
 Requisitions prepared incorrectly will be returned to the using department.



City of Chicago
Richard M. Daley, Mayor

Department of Water Management

Richard A. Rice
Commissioner

Viria B. Holland
Deputy Commissioner

Bureau of Billing and
Customer Service
Meter Installation and
Repair Division
1424 West Pershing Road
Chicago, Illinois 60609

<http://www.cityofchicago.org/water>

MEMORANDUM

*Julie,
pls approve + process
I have
Viria Holland
Deputy Comm.*

TO: Viria Holland
Deputy Commissioner

FROM: Thomas Niemotka
Thomas Niemotka
Assistant Superintendent

DATE: June 8, 2005

SUBJECT: Emergency Meter Order

As requested from Administrative Services, we have solicited bids from at least three water meter companies (or their authorized distributors) for quotations on cold water meters. We asked the bidders that these quotes be FOB to the City of Chicago, Department of Water Management. We also asked that they bid on the "per unit" or "each" basis for easy comparison. The bids were to be based upon existing City of Chicago water meter specifications. As you know, these specifications will be changed again within the next year with the upcoming Automated Meter Reading RFP.

This emergency order, in addition to the two pending meter parts orders, will hopefully carry us until the RFP is released to the public. In case of unforeseen delays of the Automated Meter Reading RFP, we asked that the water meter quotes be valid for one year in case of subsequent emergency orders.

The lowest overall bid is Alpha Specialty Supply. This company is also certified by the City of Chicago as a Women's Business Enterprise. Alpha Specialty Supply was also the most recent contract holder for 5/8 inch through 2 inch water meters until it expired. The user department contact person for this order will be Tom Guth. He can be reached at 312-747-2862.

Attachment:
Detailed Specifications
Quotations
Quotation Comparison Chart
APRF



CPAC PROJECT CHECKLIST

| | |
|------------------------|-------|
| For CPAC Team Use Only | |
| Date Received | _____ |
| Date Returned | _____ |
| Date Accepted | _____ |

IMPORTANT: PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE TEAM LEADER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED INCLUDING THE SUPPLEMENTAL CHECKLIST REQUIRED BY THE SPECIFIC CPAC TEAM. ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

PROJECT Date: 6/15/05
 ID No. (Spec. RX. Project): 37901
 Department: WATER MANAGEMENT
 Bureau: INDUSTRIAL INSTALLATION
 Contract No. (if known): 11
 Project Title/Description: REQUESTING AN EMERGENCY PURCHASE FOR METERS DIRECT
HEADING TYPE AND REMOTE WITH GENERATORS AND HEADOUTS.

Contact Person: DENISE FITZGERALD
 Tel: 773-0821 Fax: 773-7070 E-mail: dfitzgerald@cityofchicago.org
 Project Manager: _____
 Tel: _____ Fax: _____ E-mail: _____
 Estimated Value \$ 249,816.40

SCOPE STATEMENT

Attached is a detailed scope of services and/or specification

IMPORTANT: THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR A TEAM TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE ALL TEAM SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT TEAM.

The following is a general description of what would be included in a Scope of Services or Specification: A clear description of all anticipated services and products, including: time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute..

TYPE OF PROCUREMENT REQUESTED (check all that apply)

Competitive Bid RFQ/RFP/RFS/RFI Sole Source** Term Agreement One Shot
 Mod/Amendment Time Extension Additional Funding Small Order S/O Emergency

FORMS

F-25* (add line item) F-10* (special approvals) SSRB** (sole source approval)
 F-26* (new term agreement) RX (one-shot requisition) OBM Authorization
 F-27* (time extension) APRF (all purpose request form)
 F-29* (change vendor limit)

* Additional F-forms may be required-refer to attached list ** Sole source requests must include vendor quotes/proposal and MBE/WBE compliance requirements

FUNDING

City: Corporate Bond Enterprise Grant* Other _____
 State: IDOT/Transit IDOT/Highway Grant* Other _____
 Federal: FHWA FTA FAA Grant* Other _____

| LINE | FY | FUND | DEPT | ORGN | APPR | ACTV | OBJT | PROJECT | RPTG | DOLLAR AMOUNT |
|------|----|------|------|------|------|------|------|----------|------|-----------------------------|
| 01 | 04 | 0211 | 088 | 2030 | 0550 | W706 | 0550 | 05501040 | | \$249,816.40 |
| | | | | | | | | | | Total: \$ <u>249,816.40</u> |

* Attach copy of any applicable grant agreement terms and conditions

TIME FRAME Date Needed: ** ASAP Requested Contract Term (y/m/d): EMERGENCY PURCHASE REQUEST.

PRE BID/SUBMITTAL REQUIREMENTS

Requesting Pre Bid/Submittal Conference? Yes No Requesting Conference be Mandatory? Yes No
 Requesting Site Visit? Yes No Requesting Site Visit be Mandatory? Yes No

| PO Number | Line | Item | Category | Description | UOM |
|-----------|------|------------|----------|--|------|
| T25689 | 1 | 8904546100 | 89045 | METERS, COLD WATER, DIRECT READING TYPE - 5/8 INCH | Each |
| T25689 | 2 | 8904546130 | 89045 | METERS, COLD WATER, DIRECT READING TYPE - 1 INCH | Each |
| T25689 | 3 | 8904546170 | 89045 | METERS, COLD WATER, DIRECT READING TYPE - 1-1/2 INCH | Each |
| T25689 | 4 | 8904546210 | 89045 | METERS, COLD WATER, DIRECT READING TYPE - 2 INCH | Each |
| T25689 | 5 | 8904552100 | 89045 | METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 5/8 INCH | Each |
| T25689 | 6 | 8904552140 | 89045 | METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 1 INCH | Each |
| T25689 | 7 | 8904552180 | 89045 | METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 1 1/2 INCH | Each |
| T25689 | 8 | 8904552220 | 89045 | METERS, COLD WATER, REMOTE WITH GENERATORS AND READOUTS - 2 INCH | Each |

COMPARISON CHART OF QUOTES RECEIVED FOR SMALL METERS

| | AMCO Water Metering Systems 800-874-0890 | Alpha Specialty Supply 630-377-2898 | Hersey Meters 704-278-2221 | Sensus Metering Systems 800-638-3751 |
|---|--|---|--------------------------------------|--|
| 5/8" x 3/4" Direct Read | 23.24 | 21.00 | 22.75 | 34.00 |
| 5/8" x 3/4" Generator & Remote | 39.99 | 31.50 | 106.80 | 105.94 |
| 1" Direct Read | 60.25 | 51.45 | 59.80 | 74.87 |
| 1" Generator & Remote | 77.25 | 67.19 | 149.40 | 122.32 |
| 1 1/2" Direct Read | 147.50 | 146.99 | 240.00 | 204.29 |
| 1 1/2" Generator and Remote | 164.50 | 159.85 | 347.20 | 265.80 |
| 2" Direct Read | 198.00 | 199.48 | 314.40 | 301.22 |
| 2" Generator and Remote | 215.00 | 212.34 | 421.60 | 356.48 |
| TOTAL | 925.73 | 889.80 | 1661.95 | 1464.92 |

ALPHA SPECIALTY SUPPLY, INC.
2715 Meadow Drive St. Charles, IL 60175
Phone 630-377-2898 Fax 630-377-3306

May 23, 2005

Ms. Mary Dempsey
Interim Chief Procurement Officer
City of Chicago Dept. of Procurement Services
City Hall, Room 403
121 North LaSalle Street
Chicago, IL 60602

Re: Meter Quote

Dear Ms. Dempsey:

Alpha Specialty Supply is pleased to quote the following:

| <u>Meter</u> | <u>Price Each</u> |
|------------------------------|-------------------|
| 5/8" Badger Standard cu ft | \$21.00 |
| 5/8" Badger Remote cu ft | \$31.50 |
| 1" Badger Standard cu ft | \$51.45 |
| 1" Badger Remote cu ft | \$67.19 |
| 1-1/2" Badger Standard cu ft | \$146.99 |
| 1-1/2" Badger Remote cu ft | \$159.85 |
| 2" Badger Standard Cu ft | \$199.48 |
| 2" Badger Remote Cu ft | \$212.34 |

Prices are FOB: Chicago
Quote good for orders placed one year from date above.

ALPHA SPECIALTY SUPPLY, INC.
Kristin Fischer, President



1100 SW 38th Avenue
Ocala, FL 34474
Phone: (800)874-0890
Fax: (352)368-1950

Customer: City of Chicago
Department of Water Management
Address: 1424 W. Persing Road
City, State, Zip Code: Chicago, IL 60609
Person Quoted: Tom Guth
Email: tguth@cityofchicago.org
Fax: 312-747-0987
Date: May 23, 2005
Job: AMCO C700 Meters

Water Meters

| Item | Description | Qty | Price | |
|------|---|-----|----------|----------|
| | | | Each | Extended |
| 1 | 5/8x3/4" AMCO Model C700 bronze case, cast iron bottom, polymer register housing, direct read | 1 | \$23.24 | \$23.24 |
| 2 | 1" AMCO Model C700 bronze case, cast iron bottom, polymer register housing, direct read | 1 | \$60.25 | \$60.25 |
| 3 | 1 1/2" AMCO Model C700 bronze case, polymer register housing, direct read | 1 | \$147.50 | \$147.50 |
| 4 | 2" AMCO Model C700 bronze case, polymer register housing, direct read | 1 | \$198.00 | \$198.00 |
| 5 | 5/8x3/4" AMCO Model C700 bronze case, cast iron bottom, polymer register housing, generator remote with wall unit | 1 | \$39.99 | \$39.99 |
| 6 | 1" AMCO Model C700 bronze case, cast iron bottom, polymer register housing, generator remote with wall unit | 1 | \$77.25 | \$77.25 |
| 7 | 1 1/2" AMCO Model C700 bronze case, polymer register housing, generator remote with wall unit | 1 | \$164.50 | \$164.50 |
| 8 | 2" AMCO Model C700 bronze case, polymer register housing, generator remote with wall unit | 1 | \$215.00 | \$215.00 |

Notes and Assumptions

- (1) All prices are F.O.B. destination if order over \$7,500.00
- (2) See General Terms and Conditions of Sale attached.
- (3) Prices Firm Through: 6/1/06
- (4) Terms: Net 30 Days
- (5) The above quantities are estimates only

AMCO Water Metering Systems Inc.

Polly C. Jones, Bid & Technical Sales Support Coordinator

cc: Rich Gardner, AMCO Key Customer Manager
pj

Sensus

QUOTATION

Your Quote Number: 13340

Reference: SMALL METERS

Bill to Customer: 135007

Ship to Customer:

ATTENTION TOM GUTH
CHICAGO CITY OF
WATER METER DIVISION
3148 S SACRAMENTO
CHICAGO IL 60623-5125

USA

CHICAGO CITY OF
3148 S SACRAMENTO
WATER METER DIVISION
CHICAGO IL 60623-5125

Salesman: WIEGERS DAVID B
Terms: NET 30 DAYS

Effective Date: 5/27/05
Expiration Date: 6/01/06

| Line | Description | Quantity | U/M | US Dollar Unit Price |
|------|---|----------|-----|-------------------------|
| 1 | Part#: 5755696460079A METER 5/8 X 3/4" SRII ECRDM 100 CU FT, 4 WHEEL 5A, R/DP CAST IRON BOTTOM, L/TOUCHPAD | 1 | EA | 105.940 |
| 2 | Part#: 5390753700021 METER DISPLAY UNIT WATER, 100 CUFT | 1 | EA | .000 |
| 3 | Part#: 5390720400006 MDU BASE SEAL ASSEMBLY | 1 | EA | .000 |
| 4 | Part#: 5750896460067A METER 1" SRII ECRDM 100 CU FT, 4 WHEEL 5A, R/DP CAST IRON BOTTOM, L/TOUCHPAD | 1 | EA | 122.320 |
| 5 | Part#: 5390753700021 METER DISPLAY UNIT WATER, 100 CUFT | 1 | EA | .000 |
| 6 | Part#: 5390720400006 MDU BASE SEAL ASSEMBLY | 1 | EA | .000 |
| 7 | Part#: 5081095460028B METER 1-1/2" ECR, SCREWED ENDS 100 CU FT, 4 WHEEL 5B ROCKSYN CHAMBER L/TOUCHPAD | 1 | EA | 265.800 |

QUOTATION

Your Quote Number: 13340

US Dollar

| Line | Description | Quantity | U/M | Unit Price |
|------|--|----------|-----|------------|
| 8 | Part#: 5390753700021 METER DISPLAY UNIT WATER, 100 CUFT | 1 | EA | .000 |
| 9 | Part#: 5390720400006 MDU BASE SEAL ASSEMBLY | 1 | EA | .000 |
| 10 | Part#: 5081295460033B METER 2" SR ECR, SCREWED ENDS 100 CU FT, 4 WHEEL 5B ROCKSYN CHAMBER L/TOUCHPAD | 1 | EA | 356.480 |
| 11 | Part#: 5390753700021 METER DISPLAY UNIT WATER, 100 CUFT | 1 | EA | .000 |
| 12 | Part#: 5390720400006 MDU BASE SEAL ASSEMBLY | 1 | EA | .000 |
| 13 | Part#: 5755696030065 METER 5/8X3/4" SR II DR CUFT R/DP, BRONZE BOTTOM PLASTIC BONNET & LID | 1 | EA | 34.000 |
| 14 | Part#: 5750896030059 METER 1" SR II DR CUFT, R/DP BRONZE BOTTOM, PLASTIC BONNET PLASTIC LID | 1 | EA | 74.870 |
| 15 | Part#: 5081095030026 METER 1-1/2" SR DR CUFT SCREWED, ROCKSYN CHAMBER BRONZE LID | 1 | EA | 204.290 |
| 16 | Part#: 5081295030026 METER 2" SR DR CUFT SCREWED, ROCKSYN CHAMBER BRONZE LID | 1 | EA | 301.220 |

FREIGHT ALLOWED ON \$5000 OR MORE PER ORDER.
FOB SHIPPING POINT.

QUOTATION

Your Quote Number: 13340

US Dollar

| Line | Description | Quantity | U/M | Unit Price |
|------|-------------|----------|-----|------------|
|------|-------------|----------|-----|------------|

tguth@cityofchicago.org
FAX 312-747-0987

IF MODIFICATIONS IN METER MATERIALS OR PROCESSING ARE REQUIRED TO MEET
NEW REGULATIONS, THE PRICING SUBMITTED IS SUBJECT TO IMMEDIATE CHANGE
Thank you for your interest in quality products by Sensus Metering Systems
Current as of: 6/02/05

Correspondence:
SENSUS METERING SYSTEMS
207 WINDMERE DRIVE
BOWLING GREEN, KY 42103

Purchase Orders:
SENSUS METERING SYSTEMS
PO BOX 487
UNIONTOWN, PA 15401

PHONE: 800-METER-IT
800-638-3748

ROBERT WHITTAKER Regional Sales Manager

Hersey® Meters

PO BOX 128
 10210 STATESVILLE BOULEVARD
 CLEVELAND, NORTH CAROLINA 27013
 PHN: 704-278-2221
 FAX: 704-278-9616

SALES QUOTATION

Quote Date 5/23/2005
 Quote Number **041446**
 Quote Expires 12/30/2005

94643000

ACCOUNT MANAGER

57 Open

City of Chicago
 Dept. of Water Management
 1424 West Pershing
 Chicago, IL 60609
 Phone: (312) 747-2862
 Fax: (312) 747-0987

PROJECT NAME

Chicago, IL

ATTN: Tom Guth

| Qty | Part # | Description | Retail | Disc | Price | Extend |
|-----|---------|--|----------|------|--------------|-------------------|
| | | Visual Read Meters | | | | |
| 1 | V0G0101 | 5/8X3/4 430IIS IB,CF | \$43.75 | U | \$22.75 | \$22.75 |
| 1 | V0H0101 | 3/4 442IIS IB,CF | \$74.00 | U | \$38.48 | \$38.48 |
| 1 | V0K0101 | 1" 452IIS IB,CF | \$115.00 | U | \$59.80 | \$59.80 |
| 1 | W0N0101 | 1-1/2" 562 2B CU FT | \$300.00 | U | \$240.00 | \$240.00 |
| 1 | W0P0101 | 2"572 2B CU FT | \$393.00 | U | \$314.40 | \$314.40 |
| | | Meters with Translator Encoder Register | | | | |
| 1 | V0G0171 | 5/8X3/4,IB,SF,TRL4 | \$120.00 | U | \$106.80 | \$106.80 |
| 1 | V0H0171 | 3/4"442,IB,CF,TRL4 | \$150.00 | U | \$124.80 | \$124.80 |
| 1 | V0K0171 | 1"452IIR,CF,IB,TRL4 | \$191.00 | U | \$149.40 | \$149.40 |
| 1 | W0N0181 | 1-1/2"562,2B,CF,TRL5 | \$376.00 | U | \$347.20 | \$347.20 |
| 1 | W0P0181 | 2"572II CF 2B TRL5 | \$469.00 | U | \$421.60 | \$421.60 |
| | | | | | TOTAL | \$1,825.23 |

Payment Terms: 2% 30 Days, NET 31 Days

Freight Terms: FOB - Cleveland,NC- Full Freight Allowed on Net order of \$500.00

After Receipt of Order:Ship 14 days

Additional Comments & Considerations:

Should you have any questions, please do not hesitate to contact us

Quote Prepared by:
Sandra Bowers
 Quotations Department
 800-323-8584 ext. 2101

DETAILED SPECIFICATIONS

CASES

All meters shall have an outer case with separate removable measuring chamber in which the disc or piston operates. The outer cases and any supplemental make-up pieces shall be made of a copper alloy containing not less than 75% copper or suitable synthetic polymer. Castings may not be repaired, plugged, brazed or burned in. Synthetic polymer cases must be able to withstand pressure in excess of those required to cause frost protection devices to break or yield.

Frost protection devices of such design that they will break or yield under normal freezing conditions before damage is done to any other part of the meter shall be provided on 5/8", 3/4" and 1" meters.

Frost-protection bottom designs may be used if the bottom is made of cast iron or a suitable synthetic polymer. The cross-section of the bottom shall break clean when subjected to freezing pressure of 600-850 p.s.i.

Cast iron bottoms must be protected with a non-corrosive treatment such as glass or enamel coating or lined with copper, bronze, non-warping plastic, or rubber. Meters may be of the split case design if the split case has breakable bolts with shear pins that will allow the case to separate under normal freezing conditions.

All meters shall have stamped or cast on them the size and model. The body shall also have stamped or cast on it in 3/8" letters "Property City of Chicago". The direction of the flow through the meter shall be properly indicated. One and one-half inch (1-1/2") and two inch (2") meters shall be designed for removal of all interior parts without disturbing the connections to the pipe line. The serial number shall be plainly stamped or cast on the meter case. Split case meters shall have 3/32" seal wire holes through two (2) aligned case bolts *or one* (1) 3/32" seal wire hole through both halves of case.

MEASURING CHAMBER

The measuring chamber shall be of two (2) piece, snapjoint type. The chamber shall be made of non-hydrolyzing synthetic polymer and be smoothly and accurately machined. The control block assembly shall be designed so as not to allow any magnetic slippage which would result in loss of revenue. The control block assembly shall be removable to facilitate repairing.

INTERCHANGEABILITY

All meters of the same size or capability shall be manufactured with accuracy to permit complete interchangeability of all parts, i.e., discs, piston, chamber tops, chamber bottoms etc., or any quantity of meters.

STRAINERS

All meters shall contain removable noncorrosive strainer screens.

REVOLUTION FOR VARIOUS SIZE METERS

Bidders shall submit with their bids the actual number of disc rotations or piston oscillations per cubic feet

EXTERNAL CASE BOLTS

All external case bolts, cap bolts, washers and nuts shall be of sufficient strength for the purpose and must be a non-corrosive material designed for easy removal after long service. These screws shall be provided with 3/32" hole n head for passage of seal wire so each register box can be sealed by the manufacturer with copper wire and fastened with a lead seal. These holes shall be drilled at right angles to the slot in top of screws.

CONNECTIONS

Main case. connections shall be meter casing spuds having external straight threads conforming to ANSI B2.1 with pitch diameters as shown in Table Two (2)- Internal threaded spuds conform to ANSI B21 shall be used on 1-1/2" and 2" meter cases. Coupling tailpieces shall be made of copper alloy containing not less than 57% copper with external pipe threads conforming to ANSI B2~1 and internal diameters approximately equal to the nominal thread size of the tailpiece. Lengths and thread sizes shall be as shown in Table Two (2).

TRANSMISSION WIRE

Application. As required by the purchaser's specifications, wire shall be suitable for direct burial and exposed mounting, or for exposed mounting only.

Multiple wires. If multiple wires are used, they shall be readily identified, and the group of wires shall be enclosed in a single protective jacket or fused as a single cable unit.

Connection. Provision shall be made for connecting and disconnecting the wire at either the meter, at the remote unit, or both.

Maintenance. Wire shall be repairable or replaceable in the field.

Test points. Test points for electrical continuity tests shall be provided at both the meter register assembly and remote register assembly.

WARRANTY

The meters shall be warranted to the City by the manufacturer who shall furnish to the City its written warranty meeting the following requirements:

METER GUARANTEES

Manufacturers shall guarantee all meters furnished under this contract as to design,

construction, material, and workmanship, and shall furnish a certified test sheet for each meter and shall seal all meters as directed.

Manufacturers shall furnish, without charge, parts to replace any defective parts or material which may develop within a period of one (1) year, except the register which shall be guaranteed for a period of ten (10) years from the date the meters are shipped. Contractors shall guarantee that replacement parts for meters shall be available for at least fifteen (15) years.

Manufacturers shall furnish, without charge, parts to replace any defective parts or material which may develop within a period of one (1) year, except the register which shall be guaranteed for a period of ten (10) years from the date the meters are shipped. Contractors shall guarantee that replacement parts for meters shall be available for at least fifteen (15) years.

All meters shall perform to AWWA New Meter Standards for a period of five (5) years from the date of delivery.

| | |
|--------|---|
| 5/8" | Seventy Thousand (70,000) cubic feet |
| 3/4" | One Hundred Thousand (100,000) cubic feet |
| 1" | One Hundred Thirty Thousand (130,000) cubic feet~ |
| 1 1/2" | One Hundred Sixty Thousand (160,000) cubic feet |
| 2" | Two Hundred Thousand (200,000) cubic feet |

All meters shall perform to AWWA Repaired Meter Accuracy Standards for fifteen (15) years or the following flow volumes, which ever occurs first.

| | |
|--------|---|
| 5/8" | Two Hundred Thousand (200,000) cubic feet |
| 3/4" | Three Hundred Thousand (300,000) cubic feet |
| 1" | Four Hundred Thousand (400,000) cubic feet |
| 1-1/2" | Eight Hundred Thousand (800,000) cubic feet |
| 2" | One Million (1,000,000) cubic feet |

If the meters do not perform as specified, they shall be repaired or replaced by the manufacturer at no cost to the City.

The meter shall be determined not to be performing to specification if it fails to pass an accuracy test conducted by the City of Chicago according to AWWA Standards.

Any meter repaired or replaced due to under performance shall have the same guarantee as the original equipment and for the same period of time.

The bidder shall submit with its bid a form of the manufacturer's warranty to be furnished to the City in the event the bidder is awarded the contract.

REPAIR PARTS

The manufacturer/contractor shall submit with its proposal a complete list of parts of all models on which it is bidding. These lists shall show the price of each individual part. The manufacturer shall warranty that it will stock a sufficient supply of repair parts to fulfill the warranty requirements contained in this specification for the entire warranty period.

TABLE 1

| Meter Size | Safe (GM) Maximum Operating | Maximum Loss of Head (psi) | Minimum Test Flow Limits (GPM) | Normal Test Flow Limits (GPM) |
|------------|-----------------------------|----------------------------|--------------------------------|-------------------------------|
| 5/8x3/4 | 20 | 15 | 1/4 | 1 to 20 |
| 3/4 | 30 | 15 | 1/2 | 2 to 30 |
| 1 | 40 | 15 | 3/4 | 3 to 40 |
| 1½ | 70 | 20 | 1½ | 5 to 70 |
| 2 | 120 | 20 | 2 | 8 to 120 |

TABLE 2

Dimensional Design Limits for Meters and External Connections

| Meter Size | Meter Length | | Meter Casing Spuds | | Coupling Nut Pieces | | Coupling Tail | |
|------------|--------------------|-----------------------|--------------------|------------|---------------------|------------|---------------|------------|
| | Threaded Spud Ends | Nominal Threaded Size | Pitch Min | Diam. Max. | Pitch Min | Diam. Max. | Length. | Nom. Thrd. |
| 5/8x3/4 | 7½ | 1 | 1.227 | 1.237 | 1.242 | 1.252 | 2-1/2 | 3/4 |
| ¾ | 9 | 1 | 1.227 | 1.237 | 1.242 | 1.252 | 2-1/2 | 3/4 |
| 1 | 10-3/4 | 1¼* | 1,563 | 1,573 | 1.580 | 1.590 | 2-5/8 | 1 |
| 1½ | 12-5/8 | 1½* | 1.780 | 1.822 | | | | |
| 2 | 15-1/4 | 2* | 2.253 | 2.296 | | | | |

* Internal Threaded Spuds

TABLE 3

Indication on Initial Dial and Register Capacity

| Meter Size | Maximum Indication of Initial Dial Cubic Feet | Minimum Capacity on Register Cubic Feet |
|--------------------|---|---|
| 5/8 x ¾ | 1 | 0.1 |
| ¾ | 1 | 1 |

| | | |
|-------|----|----|
| 1 | 10 | 10 |
| 1-1/2 | 10 | 10 |
| 2 | 10 | 10 |

METER, COLD WATER, MAGNET1C
TURBINE TYPE
IN LINE-HIGH VELOCITY TYPE

Wherever "specified" is used herein it shall mean specified in the invitation to bid and the order.

Wherever reference is made herein to any other specification, standard, regulation or method, it shall mean the "latest revision thereof in effect at the time of invitation to bid."

CLASSIFICATION

This specification describes Cold Water Meters with the capability to convert to the Automatic Meter Reading (AMR) system.

Water meters shall be of one type, magnetic turbine or turbo, also known as in line high velocity meters which measure by recording the revolutions of an impeller wheel set in motion by the force of flowing water. They shall be provided in six sizes as follows:

| | |
|----|-----|
| 3" | 10" |
| 4" | 12" |
| 6" | 16" |
| 8" | |

APPLICABLE DOCUMENTS

The following documents of the issue in effect on the date of invitation to bid, form a part of this specification to the extent specified herein:

ANSI B 2.1 "Pipe Threads"

ANSI B 16.1 "Cast Iron Flanges"

AWWA C701, 702, 704, 706 AND 707, as applicable

CAPACITY

Capacity or delivery classification shall be at least the quantity given in Table 1, Column 2. Meters shall have a loss of head not exceeding Table 1, Column 3 when the rate of flow is that given in Table 1, Column 2.

SIZE

The size of the meter given in Table 1, Column 1 shall be in the terms of the nominal size of opening in the inlet and outlet flanges of the meter.

LENGTH

The minimum and maximum overall lengths of the meter, face to face of flanges, are given in Table 2, Columns 2 and 3. A filler piece may be inserted to increase the length of a shorter meter, if required.

CASES

The outer cases and any supplemental make-up pieces shall be of a copper alloy containing, not less than 75% copper. Castings shall not be repaired, plugged, brazed or burned in.

All meters shall have cast or stamped on them the size and model. The direction of the flow through the meter shall be properly indicated, Meters shall be designed for easy removal of all interior parts without disturbing any connections to the pipeline. The case shall have stamped or cast on it in 3/8" letters "Property City of Chicago."

EXTERNAL CASE BOLTS

All external case bolts, cap bolts, washers, and nuts shall be of sufficient strength for the purpose and must be of non-corrosive material designed for easy removal after long service.

CONNECTIONS

Main case connections shall be flanged. Flanges shall be of round type, faced and drilled and shall conform to the American National Standards Institute case iron pipe flange, class 125, ANSI 8 16.1 for diameter, drilling and thickness.

All companion flanges, 3, 4, 6, 8, 10, and 12 inch respectively, shall be tapped American Standard internal taper pipe thread, ANS1 B2.1.

REGISTERS

Registers shall be of the dry type, magnetically driven, straight reading, indicating in cubic feet, and guaranteed for ten (10) years.

The size of the meter shall be indicated on the dial face or stamped externally with a die on the bottom base plate of the register. The register shall be so arranged as to set securely in a cup and shall be removed easily. When the same register is used on more than one size meter, all sizes which it fits shall be indicated on the dial face or stamped on base plate.

The maximum indication of the initial dial and the maximum capacity of the register, indicating in cubic feet, shall be as given in Table 2, Columns 4 and S.

The lens shall be high impact resistant tempered glass, or synthetic polymer lens and shall be inserted from the inside and securely held in place without the use of putty, cement, screws, or pins.

Tamper resistance.

Bidders shall submit with their bids the actual number of revolutions per cubic foot.

STRAINERS

All meters shall be provided with strainers, or so-called fish traps. Strainers shall be either an integral part of the meter or a separate flanged casting and shall be easily accessible for cleaning.

Strainers shall be rigid, shall be easily removed and shall have an effective straining area as large as practicable and at least double that of the main meter case inlet.

REGISTRATION

The registration on the meter dial shall indicate the quantity recorded to be not less than 98.5 percent nor more than 101.5 percent of the water actually passed through the meter while it is being tested at any rate of flow within the limits specified in Table 1, Column 3, under Normal Test Flow limits.

MARKING

Individual containers (if applicable) shall be marked to identify contents and quantity contained therein. Shipping containers shall be marked with the name of institution, department or agency to which goods are to be delivered, City purchase order or contract number, and name of shipper in a conspicuous place. Meter shipments shall be accompanied by a computer file of the meter serial numbers for DWM's database. DWM desires that this information also be in the form of bar codes for scanning.

PRESSURE

Meters shall be guaranteed to operate under a working pressure of 150 psi without leakage or damage to any part.

METER GUARANTEES

Contractor shall guarantee all meters furnished under this specification as to design, construction, material and workmanship. Contractor shall furnish, without charge, parts to replace any defective components or material which may develop within a period of one year, except the register which shall be guaranteed for a period of ten (10) years from the date the meters are shipped. Contractor shall guarantee that replacement parts for meters shall be available for at least fifteen (15) years.

TESTING AND SAMPLING TESTING AND INSPECTION

All testing and inspection shall be under the jurisdiction of the Commissioner of Water or his duly authorized representative.

SAMPLE METERS

The manufacturer shall submit, upon request, a sample of the meter proposed to be furnished with pressure loss curves and all technical data for each size of meter.

REJECTION

Water meters that do not meet the requirements of this specification shall be rejected and when so ordered by the Purchasing Agent and/or the Commissioner of Water, they shall be removed by the manufacturer at its own expense and shall be replaced within the delivery date specified.

Table 1

| (1) Meter Size In. | (2) Safe maximum Operating Capacity gpm | (3) Normal Test flow Limits gpm |
|-----------------------|---|------------------------------------|
| 3 | 350 | 8-350 |
| 4 | 630 | 15-630 |
| 6 | 1,400 | 30-1,400 |
| 8 | 2,400 | 50-2,400 |
| 10 | 3,800 | 75-3,800 |
| 12 | 5,000 | 1205,000 |

TABLE 2

| (1) Meter Size In. | (2) Min. Meter Length In Inches | (3) Max. Meter Length In. Inches | (4) Max. Indication of Initial dial in Cu. Ft. | (5) Min. Cap. Of Register Cu. Foot |
|--------------------------|---------------------------------|--|--|--|
| 3 | 24 | 10 | 10 | |
| 4 | 13 | 29 | 100 | 10 |
| 6 | 17 | 36-1/2 | 100 | 100 |
| 8 | 19 | 43-3/4 | 1,000 | 100 |
| 10 | 30 | 60 | 1,000 | 1,000 |
| 12 | 36 | 68 | 1,000 | 1,000 |